

CLAIMS

What is claimed is:

1. A system for monitoring congestion paging, comprising:
a switch;

5 a cell site in communication with the switch, for broadcasting a page received from the switch to a cellular device configured to receive the page; and

a monitoring module in communication with the switch for monitoring occurrences of paging congestion between the switch and the cell site.

10 2. The system of claim 1, wherein the switch includes a switch of a mobile switching center in communication with the cell site and in communication with the monitoring module.

15 3. The system of claim 1, wherein the monitoring module counts the number of occurrences of paging congestion between the mobile switch and the cell site.

4. The system of claim 3, wherein the monitoring module takes corrective action when the number of occurrences of paging congestion exceeds a predetermined limit.

20 5. The system of claim 4, wherein the corrective action includes notification to network operators.

6. The system of claim 4, wherein the predetermined limit is based on the number of occurrences over a predetermined time interval.

7. The system of claim 4, wherein the notification is by email.

8. The system of claim 4, wherein the notification is by pager.

9. A method for monitoring congestion paging, the method comprising:
monitoring a mobile switch for occurrences of paging congestion for cellular devices,
wherein the congestion occurs between the mobile switch and a cell site; and
analyzing the occurrences of paging congestion.

10. The method of claim 9, wherein analyzing includes counting the occurrences of paging congestion.

11. The method of claim 10, wherein analyzing further includes comparing the number of occurrences to a predetermined limit, and wherein the predetermined limit is based on the number of occurrences of paging congestion over a predetermined time interval.

12. The method of claim 9, further comprising:
notifying program subscribers when the number of occurrences of paging congestion exceeds a predetermined limit.

~~13.~~ A system for monitoring congestion paging, comprising:

means for monitoring a mobile switch for occurrences of paging congestion for cellular devices, wherein the congestion occurs between the mobile switch and a cell site; and

5 means for analyzing the occurrences of paging congestion.

14. The system of claim 13, wherein the means for analyzing includes means for counting the occurrences of paging congestion.

10 15. The system of claim 14, wherein the means for analyzing further includes means for comparing the number of occurrences to a predetermined limit, and wherein the predetermined limit is based on the number of occurrences of paging congestion over a predetermined time interval.

15 16. The system of claim 13, further comprising:
means for notifying program subscribers when the number of occurrences of paging congestion exceeds a predetermined limit.

~~17.~~ A computer-readable medium having stored thereon instruction which, when
20 executed by a processor, causes the processor to perform the steps of:

monitoring a mobile switch for occurrences of paging congestion for cellular devices,
wherein the congestion occurs between the mobile switch and a cell site; and
analyzing the occurrences of paging congestion

18. The medium of claim 17, wherein analyzing includes counting the occurrences of paging congestion.

19. The medium of claim 18, wherein analyzing further includes comparing the
5 number of occurrences to a predetermined limit, and wherein the predetermined limit is based on the number of occurrences of paging congestion over a predetermined time interval.

20. The medium of claim 17, further comprising instructions which, when executed by a processor, causes the processor to perform the step of:

10 notifying program subscribers when the number of occurrences of paging congestion exceeds a predetermined limit.